



CERTIFICATE OF CONSTANCY OF PERFORMANCE

Product	prestressing steel
Type	strand-prEN 10138-3-Y1860S3-6,9-I-R1-F1-C1
Intended use	for the prestressing of concrete
Performances	see annex 1
Manufacturer	PRIVATE JOINT STOCK COMPANY "STALKANAT", 16, Vodoprovidna Str. Odesa, 65007, Ukraine
Manufacturing plant	PRIVATE JOINT STOCK COMPANY "STALKANAT", 52A, Vapnyana Str. Odesa, 65006, Ukraine
Requirements	FprEN 10138-1:2009, FprEN 10138-3:2009 and declared by the producer performances (see annex 1)

This certificate is issued having performed actions prescribed for system 1+ in STR 1.01.04:2015 and confirms that the product complies with requirements set out in this certificate.

Number	SPSC-9630
Date of issue	2025-01-03 (first issued on 2020-12-30)
Valid until	2028-01-03 (information www.spsc.lt)
Granted to	PRIVATE JOINT STOCK COMPANY "STALKANAT", 16, Vodoprovidna Str. Odesa, 65007, Ukraine, company code EDRPOU 44437592

Director



Valdemaras Gauronskis

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ANNEX 1 TO CERTIFICATE No. SPSC-9630

Issued 2025-01-03

Product prestressing steel
Type strand-prEN 10138-3-Y1860S3-6,9-I-R1-F1-C1

Essential characteristics and performances

Essential characteristic	Test method	Performance
Tensile strength, MPa	LST EN ISO 15630-3:2019	1860
Characteristic value of maximum force F_m , kN	LST EN ISO 15630-3:2019	43,5
Characteristic value of 0,1 % proof force $F_{p0,1}$, kN	LST EN ISO 15630-3:2019	38,3
Elongation at maximum force A_{gt} , %	LST EN ISO 15630-3:2019	$\geq 3,5$
Relaxation at 1000 h, for initial force corresponding to 70 % F_{ma} , % and class	LST EN ISO 15630-3:2019	$\leq 2,5$ R1
Diameter d , mm (nominal value)	LST EN ISO 15630-3:2019	6,9
Cross-sectional area S_n , mm ² (nominal value)	LST EN ISO 15630-3:2019	23,4
Mass per metre, g/m	LST EN ISO 15630-3:2019	182,8 \pm 2 %
Surface geometry	LST EN ISO 15630-3:2019	indented, pass
Fatigue, number of stress cycles and class	LST EN ISO 15630-3:2019	2×10^6 F1
Modulus of elasticity E , GPa (design value)	FprEN 10138-3:2009	195
Durability, class	LST EN ISO 15630-3:2019	C1

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